

Title (en)  
ILLUMINATION DEVICE, DISPLAY DEVICE, AND TELEVISION DEVICE

Title (de)  
BELEUCHTUNGSVORRICHTUNG, ANZEIGEVORRICHTUNG UND FERNSEHVORRICHTUNG

Title (fr)  
DISPOSITIF D'ÉCLAIRAGE, DISPOSITIF D'AFFICHAGE ET TÉLÉVISEUR

Publication  
**EP 2407707 A4 20120926 (EN)**

Application  
**EP 09841530 A 20091215**

Priority  
• JP 2009070870 W 20091215  
• JP 2009061220 A 20090313

Abstract (en)  
[origin: US2011298992A1] A backlight unit 12 of the present invention includes a light source 18, a chassis 14, a power supply board 20, and a relay connector 21. The chassis 14 houses the light source 18. The power supply board 20 is arranged on a side of the chassis 14 opposite from the light source 18. The power supply board 20 is configured to supply drive power to the light source 18. The relay connectors 21 is mounted to the chassis 14 so as to be movable between a non-connected position at which the power supply board 20 is disconnected from the relay connector 21 and a connected position at which the power supply board 20 is connected to the relay connector 21 along a surface of the chassis 14. A proximity restriction boss 30 projects from the power supply board 20 so as to be in contact with the chassis 14 with the power supply board 20 being at the non-connected position or the connected position. The proximity restriction boss 30 restricts proximity of the power supply board 20 to the chassis 14.

IPC 8 full level  
**F21S 2/00** (2006.01); **F21V 23/00** (2006.01); **G02F 1/13357** (2006.01); **H04N 5/66** (2006.01); **F21Y 103/00** (2006.01)

CPC (source: EP US)  
**G02F 1/133604** (2013.01 - EP US); **G02F 1/133612** (2021.01 - EP US)

Citation (search report)  
• [A] EP 1762886 A1 20070314 - MINEBEA CO LTD [JP]  
• [A] US 2007279545 A1 20071206 - JANG HOON [KR]  
• [A] US 2007230169 A1 20071004 - KWON YOON-SOO [KR], et al  
• [A] US 2008079862 A1 20080403 - LEE SANG CHUL [KR]  
• See references of WO 2010103705A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)  
**US 2011298992 A1 20111208**; CN 102348926 A 20120208; EP 2407707 A1 20120118; EP 2407707 A4 20120926;  
JP WO2010103705 A1 20120913; RU 2011137514 A 20130420; WO 2010103705 A1 20100916

DOCDB simple family (application)  
**US 200913202113 A 20091215**; CN 200980157989 A 20091215; EP 09841530 A 20091215; JP 2009070870 W 20091215;  
JP 2011503655 A 20091215; RU 2011137514 A 20091215